



Market Suspension

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January 12, 2021

- For **Day-Ahead**: Inability to clear DA market by 11:59pm the day before the affected operating day due to *extraordinary circumstances*
 - Defined in Tariff section 1.10.8(d)
 - Extraordinary circumstances shall mean a technical malfunction that limits, prohibits or otherwise interferes with the ability of the Office of the Interconnection to obtain Market Participant bid/offer data prior to 11:59 p.m. on the day before the affected operating day
 - Defined in Tariff section 1.10.8(b)

- For **Real-Time**: Inability by Dispatch to provide Markets with Economic (Zonal) Dispatch results
 - Examples may include but are not limited to:
 - Software / Hardware Failure
 - Communication Failure
 - Cyber-Attack

Conditions preventing Zonal Dispatch rate calculation

| Conditions preventing Zonal Dispatch Rate calculation | Critical Data Inputs (missing, corrupted, etc.) |
|---|---|
| Cyber-Attack | Bids/Offers in Markets Gateway, EMS |
| Hardware Failure | Markets Gateway, EMS System Down |
| Software Failure | Bugs, Network/Data Latency |
| Communication Failure | ICCP Link |

- Day-Ahead:
 - Status Quo
 - No scheduled MW quantities or prices will be made for the DA energy market, as they will be based on RT quantities and prices for settlement purposes
- Real-Time
 - Less than X hours, average the preceding and subsequent intervals
 - i.e. Average of the 5 good intervals before and 5 good intervals after
 - Greater than X hours, use DA market prices for the market hours corresponding to the RT market disruptions*

*Similar to CAISO approach



Determining Clearing Prices During Market Suspension

- Real-Time, less than (<) X hours

| Hour Ending | 17 | | | | | | | | | | | | 18 | | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|----|----|------|---|---|---|---|---|---|------|------|------|------|------|------|
| LPC Interval | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| DAM Price | \$30 | | | | | | | | | | | | \$40 | | | | | | | | | | | | |
| RTM Price | \$31 | \$32 | \$33 | \$33 | \$35 | \$41 | \$40 | \$43 | \$43 | \$44 | | | | | | | | | | \$45 | \$44 | \$44 | \$43 | \$38 | \$39 |

| Hour Ending | 17 | | | | | | | | | | | | 18 | | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| LPC Interval | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| DAM Price | \$30 | | | | | | | | | | | | \$40 | | | | | | | | | | | | |
| RTM Price | \$31 | \$32 | \$33 | \$33 | \$35 | \$41 | \$40 | \$43 | \$43 | \$44 | \$43 | \$43 | \$43 | \$43 | \$43 | \$43 | \$43 | \$43 | \$43 | \$48 | \$47 | \$44 | \$43 | \$38 | \$40 |

AVG: \$42

AVG: \$44



Determining Clearing Prices During Market Suspension

- Real-Time, greater than (>) X hours

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Hour Ending | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| LPC Interval | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| DAM Price | \$18 | \$18 | \$16 | \$15 | \$17 | \$17 | \$18 | \$18 | \$20 | \$21 | \$22 | \$22 | \$20 | \$19 | \$18 | \$19 | \$22 | \$26 | \$24 | \$23 | \$22 | \$22 | \$20 | \$19 |
| RTM Price | \$19 | | | | | | | | | | | | | | | | | | | | | | \$23 | \$21 |

| | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Hour Ending | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| LPC Interval | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| DAM Price | \$18 | \$18 | \$16 | \$15 | \$17 | \$17 | \$18 | \$18 | \$20 | \$21 | \$22 | \$22 | \$20 | \$19 | \$18 | \$19 | \$22 | \$26 | \$24 | \$23 | \$22 | \$22 | \$20 | \$19 |
| RTM Price | \$19 | \$18 | \$16 | \$15 | \$17 | \$17 | \$18 | \$18 | \$20 | \$21 | \$22 | \$22 | \$20 | \$19 | \$18 | \$19 | \$22 | \$26 | \$24 | \$23 | \$22 | \$22 | \$23 | \$21 |

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